

WHAT IS CLAIMED IS:

1           1. A computer-implemented method of using a paper document to  
2 retrieve multimedia information stored in a multimedia document in electronic form, wherein  
3 one or more user-selectable identifiers are printed on the paper document, the method  
4 comprising:

5           receiving a first signal indicating selection of a first user-selectable identifier  
6 from the one or more user-selectable identifiers printed on the paper document;

7           responsive to receiving the first signal, identifying a portion of multimedia  
8 information stored by the multimedia document corresponding to the first user-selectable  
9 identifier; and

10           outputting the portion of the multimedia information corresponding to the first  
user-selectable identifier using an output device.

1           2. The method of claim 1 wherein the first signal comprises information  
identifying the output device.

1           3. The method of claim 1 wherein:

2           the first signal comprises information indicating a playback mode for  
3 outputting the portion of the multimedia information corresponding to the first user-selectable  
4 identifier; and

5           outputting the portion of the multimedia information using the output device  
6 comprises outputting the information according to the playback mode.

1           4. The method of claim 1 wherein the one or more user-selectable  
2 identifiers include one or more barcodes printed on the paper document.

1           5. The method of claim 1 wherein identifying the portion of multimedia  
2 information stored by the multimedia document corresponding to the first user-selectable  
3 identifier comprises:

4           determining a first time and a second time corresponding to the first user-  
5 selectable identifier; and

6           including a portion of the multimedia information stored by the multimedia  
7 document occurring between the first time and the second time in the portion of multimedia  
8 information corresponding to the first user-selectable identifier.

1               6.     The method of claim 1 wherein identifying the portion of multimedia  
2 information stored by the multimedia document corresponding to the first user-selectable  
3 identifier comprises:

4               determining a first time corresponding to the first user-selectable identifier;  
5 and

6               including a portion of the multimedia information stored by the multimedia  
7 document occurring from the first time in the portion of multimedia information  
8 corresponding to the first user-selectable identifier.

1               7.     The method of claim 1 wherein one or more control codes are printed  
2 on the paper document, the method further comprising:

3               receiving a second signal indicating selection of a first control code from the  
4 one or more control codes printed on the paper document; and

5               responsive to receiving the second signal, controlling the output of the portion  
6 of the multimedia information corresponding to the first user-selectable identifier based upon  
7 the control code.

8               8.     A method of using a paper document to access multimedia information  
9 stored in a multimedia document in electronic form, wherein one or more user-selectable  
1 identifiers are printed on the paper document, the method comprising:

2               selecting a first user-selectable identifier from the one or more user-selectable  
3 identifiers printed on the paper document;

4               requesting multimedia information corresponding to the first user-selectable  
5 identifier; and

6               outputting a portion of the multimedia information stored by the multimedia  
7 document corresponding to the first user-selectable identifier using an output device.

8               9.     The method of claim 8 wherein:

9               the one or more user-selectable identifiers correspond to one or more barcodes  
1 printed on the paper document; and

2               selecting the first user-selectable identifier comprises scanning a first barcode  
3 from the one or more barcodes printed on the paper document using a selection device.

1               10.    The method of claim 8 wherein:

2 the first user-selectable identifier is associated with a first time and a second  
3 time; and  
4 outputting the portion of the multimedia information corresponding to the first  
5 user-selectable identifier using the output device comprises outputting a portion of the  
6 multimedia information stored by the multimedia document occurring between the first time  
7 and the second time.

1                   11. The method of claim 8 wherein:  
2                   the first user-selectable identifier is associated with a first time; and  
3                   outputting the portion of the multimedia information corresponding to the first  
4 user-selectable identifier using the output device comprises outputting a portion of the  
5 multimedia information stored by the multimedia document occurring from the first time.

12. The method of claim 8 wherein one or more control codes are printed on the paper document, the method further comprising:

selecting a first control code from the one or more control codes printed on the paper document; and

modifying the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

13. A computer-implemented method of using a paper document to  
2 retrieve multimedia information stored electronically in a multimedia document, wherein a  
3 first plurality of user-selectable identifiers are printed on the paper document, the method  
4 comprising:

5 receiving a signal indicating selection of a second plurality of user-selectable  
6 identifiers from the first plurality of user-selectable identifiers printed on the paper document,  
7 wherein the second plurality of user-selectable identifiers is a subset of the first plurality of  
8 user-selectable identifiers;

9 responsive to receiving the first signal, identifying portions of multimedia  
10 information stored by the multimedia document corresponding to the second plurality of user-  
11 selectable identifiers; and  
12 outputting the portions of the multimedia information corresponding to the  
13 second plurality of user-selectable identifiers using an output device.

1                   14. The method of claim 13 wherein identifying portions of multimedia  
2 information stored by the multimedia document corresponding to the second plurality of user-  
3 selectable identifiers comprises:

4                   for each user-selectable identifier in the second plurality of user-selectable  
5 identifiers:

6                   determining a first time and a second time corresponding to the user-  
7 selectable identifier; and

8                   including multimedia information stored by the multimedia document  
9 occurring between the first time and the second time corresponding to the user-selectable  
10 identifier in the portions of multimedia information corresponding to the second plurality of  
11 user-selectable identifiers.

1                   15. A computer-implemented method of retrieving multimedia information  
2 using a first paper document and a second paper document, wherein one or more user-  
3 selectable identifiers are printed on the first paper document and one or more user-selectable  
4 identifiers are printed on the second paper document, the method comprising:

5                   receiving a signal indicating selection of a first user-selectable identifier from  
6 the one or more user-selectable identifiers printed on the first paper document, and indicating  
7 selection of a second user-selectable identifier from the one or more user-selectable  
8 identifiers printed on the second paper document;

9                   identifying a portion of multimedia information corresponding to the first  
10 user-selectable identifier from multimedia information stored by a first multimedia document;

11                   identifying a portion of multimedia information corresponding to the second  
12 user-selectable identifier from multimedia information stored by a second multimedia  
13 document; and

14                   outputting the portion of multimedia information stored by the first  
15 multimedia document corresponding to the first user-selectable identifier and the portion of  
16 multimedia information stored by the second multimedia document corresponding to the  
17 second user-selectable identifier using an output device.

1                   16. The method of claim 15 wherein:

2                   identifying the portion of multimedia information corresponding to the first  
3 user-selectable identifier from multimedia information stored by the first multimedia  
4 document comprises:

5 determining a first time and a second time associated with the first  
6 user-selectable identifier; and  
7 including a portion of multimedia information stored by the first  
8 multimedia document occurring between the first time and the second time associated with  
9 the first user-selectable identifier in the portion of multimedia information corresponding to  
10 the first user-selectable identifier; and

11 identifying the portion of multimedia information corresponding to the second  
12 user-selectable identifier from multimedia information stored by the second multimedia  
13 document comprises:

14 determining a first time and a second time associated with the second  
15 user-selectable identifier; and

16 including a portion of multimedia information stored by the second  
17 multimedia document occurring between the first time and the second time associated with  
18 the second user-selectable identifier in the portion of multimedia information corresponding  
19 to the second user-selectable identifier.

17. A system for using a paper document to retrieve multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the system comprising:

4 an output device; and

15 a data processor;

6 wherein the data processor is configured to:

7 receive a first signal indicating selection of a first user-selectable  
8 identifier from the one or more user-selectable identifiers printed on the paper document

9 identify a portion of multimedia information stored by the multimedia  
10 document corresponding to the first user-selectable identifier; and

11 communicate the portion of the multimedia information.

12 to the first user-selectable identifier to the output device; and

13 wherein the output device is configured to output the portion of the

14 multimedia information corresponding to the first user-selectable identifier received from the  
15 data processor.

18. The system of claim 17 wherein the first signal comprises information  
identifying the output device.

1                   19. The system of claim 17 wherein:  
2                   the first signal comprises information indicating a playback mode for  
3                   outputting the portion of the multimedia information corresponding to the first user-selectable  
4                   identifier; and  
5                   the output device is configured to output the portion of the multimedia  
6                   information according to the playback mode.

1                   20. The system of claim 17 wherein the one or more user-selectable  
2                   identifiers includes barcodes printed on the paper document.

1                   21. The system of claim 17 wherein in order to identify the portion of  
2                   multimedia information stored by the multimedia document corresponding to the first user-  
3                   selectable identifier, the data processor is configured to:

4                   determine a first time and a second time corresponding to the first user-  
5                   selectable identifier; and

6                   include a portion of the multimedia information stored by the multimedia  
7                   document occurring between the first time and the second time in the portion of multimedia  
8                   information corresponding to the first user-selectable identifier.

1                   22. The system of claim 17 wherein in order to identify the portion of  
2                   multimedia information stored by the multimedia document corresponding to the first user-  
3                   selectable identifier, the data processor is configured to:

4                   determine a first time corresponding to the first user-selectable identifier; and

5                   include a portion of the multimedia information stored by the multimedia  
6                   document occurring from the first time in the portion of multimedia information  
7                   corresponding to the first user-selectable identifier.

1                   23. The system of claim 17 wherein one or more control codes are printed  
2                   on the paper document, and the data processor is configured to:

3                   receive a second signal indicating selection of a first control code from the one  
4                   or more control codes printed on the paper document; and

5                   control the output of the portion of the multimedia information corresponding  
6                   to the first user-selectable identifier based upon the control code.

1                   24. A system for using a paper document to access multimedia information  
2 stored in a multimedia document in electronic form, wherein one or more user-selectable  
3 identifiers are printed on the paper document, the system comprising:

4                   a processor; and

5                   a memory coupled to the processor, the memory configured to store a plurality  
6 of code modules for execution by the processor, the plurality of code modules comprising:

7                   a code module for selecting a first user-selectable identifier from the  
8 one or more user-selectable identifiers printed on the paper document;

9                   a code module for requesting multimedia information corresponding to  
10 the first user-selectable identifier; and

11                   a code module for outputting a portion of the multimedia information  
12 stored by the multimedia document corresponding to the first user-selectable identifier using  
13 an output device.

14                   25. The system of claim 24 wherein:

15                   the one or more user-selectable identifiers correspond to one or more barcodes  
16 printed on the paper document; and

17                   the code module for selecting the first user-selectable identifier comprises a  
18 code module for scanning a first barcode from the one or more barcodes printed on the paper  
19 document using a selection device.

20                   26. The system of claim 24 wherein:

21                   the first user-selectable identifier is associated with a first time and a second  
22 time; and

23                   the code module for outputting the portion of the multimedia information  
24 corresponding to the first user-selectable identifier using the output device comprises a code  
25 module for outputting a portion of the multimedia information stored by the multimedia  
26 document occurring between the first time and the second time.

27                   27. The system of claim 24 wherein:

28                   the first user-selectable identifier is associated with a first time; and

29                   the code module for outputting the portion of the multimedia information  
30 corresponding to the first user-selectable identifier using the output device comprises a code

5 module for outputting a portion of the multimedia information stored by the multimedia  
6 document occurring from the first time.

1 28. The system of claim 24 wherein one or more control codes are printed  
2 on the paper document, the plurality of code modules further comprising:

3 a code module for selecting a first control code from the one or more control  
4 codes printed on the paper document; and

5 a code module for modifying the output of the portion of the multimedia  
6 information corresponding to the first user-selectable identifier based upon the control code.

1 29. A system for using a paper document to retrieve multimedia  
2 information stored electronically in a multimedia document, wherein a first plurality of user-  
3 selectable identifiers are printed on the paper document, the system comprising:

4 an output device; and

5 a data processor;

6 wherein the data processor is configured to:

7 receive a signal indicating selection of a second plurality of user-  
8 selectable identifiers from the first plurality of user-selectable identifiers printed on the paper  
9 document, wherein the second plurality of user-selectable identifiers is a subset of the first  
10 plurality of user-selectable identifiers;

11 identify portions of multimedia information stored by the multimedia  
12 document corresponding to the second plurality of user-selectable identifiers; and

13 communicate the portions of the multimedia information of the  
14 multimedia document corresponding to the second plurality of user-selectable identifiers to  
15 the output device; and

16 wherein the output device is configured to output the portions of the  
17 multimedia information corresponding to the second plurality of user-selectable identifiers  
18 received from the data processor.

1 30. The system of claim 29 wherein in order to identify portions of  
2 multimedia information stored by the multimedia document corresponding to the second  
3 plurality of user-selectable identifiers, the data processor is configured to:

4 for each user-selectable identifier in the second plurality of user-selectable  
5 identifiers:

6                   determine a first time and a second time corresponding to the user-  
7 selectable identifier; and  
8                    include multimedia information stored by the multimedia document  
9 occurring between the first time and the second time corresponding to the user-selectable  
10 identifier in the portions of multimedia information corresponding to the second plurality of  
11 user-selectable identifiers.

1                   31.    A system for retrieving multimedia information using a first paper  
2 document and a second paper document, wherein one or more user-selectable identifiers are  
3 printed on the first paper document and one or more user-selectable identifiers are printed on  
4 the second paper document, the system comprising:

5                   an output device; and

6                   a data processor;

7                   wherein the data processor is configured to:

8                   receive a signal indicating selection of a first user-selectable identifier  
9 from the one or more user-selectable identifiers printed on the first paper document, and  
10 indicating selection of a second user-selectable identifier from the one or more user-  
11 selectable identifiers printed on the second paper document;

12                  identify a portion of multimedia information corresponding to the first  
13 user-selectable identifier from multimedia information stored by a first multimedia document;

14                  identify a portion of multimedia information corresponding to the  
15 second user-selectable identifier from multimedia information stored by a second multimedia  
16 document; and

17                  communicate the portion of multimedia information stored by the first  
18 multimedia document corresponding to the first user-selectable identifier and the portion of  
19 multimedia information stored by the second multimedia document corresponding to the first  
20 user-selectable identifier to the output device; and

21                  wherein the output device is configured to output the portion of multimedia  
22 information corresponding to the first user-selectable identifier and the portion of multimedia  
23 information corresponding to the second user-selectable identifier received from the data  
24 processor.

1                   32.    The system of claim 31 wherein:

2 the data processor identifies the portion of multimedia information  
3 corresponding to the first user-selectable identifier from multimedia information stored by the  
4 first multimedia document by:

5 determining a first time and a second time associated with the first  
6 user-selectable identifier; and

7 including a portion of multimedia information stored by the first  
8 multimedia document occurring between the first time and the second time associated with  
9 the first user-selectable identifier in the portion of multimedia information corresponding to  
10 the first user-selectable identifier; and

11 the data processor identifies the portion of multimedia information  
12 corresponding to the second user-selectable identifier from multimedia information stored by  
13 the second multimedia document by:

determining a first time and a second time associated with the second user-selectable identifier; and

16 including a portion of multimedia information stored by the second  
17 multimedia document occurring between the first time and the second time associated with  
18 the second user-selectable identifier in the portion of multimedia information corresponding  
19 to the second user-selectable identifier.

33. A computer program product stored on a computer-readable storage medium for using a paper document to retrieve multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the computer program product comprising:

5 code for receiving a first signal indicating selection of a first user-selectable  
6 identifier from the one or more user-selectable identifiers printed on the paper document;

7 code for identifying a portion of multimedia information stored by the  
8 multimedia document corresponding to the first user-selectable identifier; and

9 code for outputting the portion of the multimedia information using an output  
10 device.

1 34. The computer program product of claim 33 wherein the code for  
2 identifying the portion of multimedia information stored by the multimedia document  
3 corresponding to the first user-selectable identifier comprises:

4 code for determining a first time and a second time corresponding to the first  
5 user-selectable identifier; and  
6 code for including a portion of the multimedia information stored by the  
7 multimedia document occurring between the first time and the second time in the portion of  
8 multimedia information corresponding to the first user-selectable identifier.

1 35. The computer program product of claim 33 wherein the code for  
2 identifying the portion of multimedia information stored by the multimedia document  
3 corresponding to the first user-selectable identifier comprises:

4 code for determining a first time corresponding to the first user-selectable  
5 identifier; and

6 code for including a portion of the multimedia information stored by the  
7 multimedia document occurring from the first time in the portion of multimedia information  
8 corresponding to the first user-selectable identifier.

1 36. The computer program product of claim 33 wherein one or more  
2 control codes are printed on the paper document, the computer program product further  
3 comprising:

4 code for receiving a second signal indicating selection of a first control code  
5 from the one or more control codes printed on the paper document; and

6 code for controlling the output of the portion of the multimedia information  
7 corresponding to the first user-selectable identifier based upon the control code.

1 37. A computer program product stored on a computer-readable storage  
2 medium for using a paper document to access multimedia information stored in a multimedia  
3 document in electronic form, wherein one or more user-selectable identifiers are printed on  
4 the paper document, the computer program product comprising:

5 code for selecting a first user-selectable identifier from the one or more user-  
6 selectable identifiers printed on the paper document;

7 code for requesting multimedia information corresponding to the first user-  
8 selectable identifier; and

9 code for outputting a portion of the multimedia information stored by the  
10 multimedia document corresponding to the first user-selectable identifier using an output  
11 device.

1                   38. The computer program product of claim 37 wherein:  
2                   the one or more user-selectable identifiers correspond to one or more barcodes  
3                   printed on the paper document; and  
4                   the code for selecting the first user-selectable identifier comprises code for  
5                   scanning a first barcode from the one or more barcodes printed on the paper document using  
6                   a selection device.

1                   39. The computer program product of claim 37 wherein:  
2                   the first user-selectable identifier is associated with a first time and a second  
3                   time; and  
4                   the code for outputting the portion of the multimedia information  
5                   corresponding to the first user-selectable identifier using the output device comprises code for  
6                   outputting a portion of the multimedia information stored by the multimedia document  
                 occurring between the first time and the second time.

1                   40. The computer program product of claim 37 wherein:  
2                   the first user-selectable identifier is associated with a first time; and  
3                   the code for outputting the portion of the multimedia information  
4                   corresponding to the first user-selectable identifier using the output device comprises code for  
5                   outputting a portion of the multimedia information stored by the multimedia document  
6                   occurring from the first time.

1                   41. The computer program product of claim 37 wherein one or more  
2                   control codes are printed on the paper document, the computer program product further  
3                   comprising:  
4                   code for selecting a first control code from the one or more control codes  
5                   printed on the paper document; and  
6                   code for modifying the output of the portion of the multimedia information  
7                   corresponding to the first user-selectable identifier based upon the control code.

1                   42. A computer program product stored on a computer-readable storage  
2                   medium for using a paper document to retrieve multimedia information stored electronically  
3                   in a multimedia document, wherein a first plurality of user-selectable identifiers are printed  
4                   on the paper document, the computer program product comprising:

5 code for receiving a signal indicating selection of a second plurality of user-  
6 selectable identifiers from the first plurality of user-selectable identifiers printed on the paper  
7 document, wherein the second plurality of user-selectable identifiers is a subset of the first  
8 plurality of user-selectable identifiers;

9 code for responsive to receiving the first signal, identifying portions of  
10 multimedia information stored by the multimedia document corresponding to the second  
11 plurality of user-selectable identifiers; and

12 code for outputting the portions of the multimedia information corresponding  
13 to the second plurality of user-selectable identifiers using an output device.

1 43. The computer program product of claim 42 wherein the code for  
2 identifying portions of multimedia information stored by the multimedia document  
3 corresponding to the second plurality of user-selectable identifiers comprises:

4 for each user-selectable identifier in the second plurality of user-selectable  
5 identifiers:

6 code for determining a first time and a second time corresponding to  
7 the user-selectable identifier; and

8 code for including multimedia information stored by the multimedia  
9 document occurring between the first time and the second time corresponding to the user-  
10 selectable identifier in the portions of multimedia information corresponding to the second  
11 plurality of user-selectable identifiers.

1 44. A computer program product stored on a computer-readable storage  
2 medium for retrieving multimedia information using a first paper document and a second  
3 paper document, wherein one or more user-selectable identifiers are printed on the first paper  
4 document and one or more user-selectable identifiers are printed on the second paper  
5 document, the computer program product comprising:

6 code for receiving a signal indicating selection of a first user-selectable  
7 identifier from the one or more user-selectable identifiers printed on the first paper document,  
8 and indicating selection of a second user-selectable identifier from the one or more user-  
9 selectable identifiers printed on the second paper document;

10 code for identifying a portion of multimedia information corresponding to the  
11 first user-selectable identifier from multimedia information stored by a first multimedia  
12 document;

13 code for identifying a portion of multimedia information corresponding to the  
14 second user-selectable identifier from multimedia information stored by a second multimedia  
15 document; and

16 code for outputting the portion of multimedia information stored by the first  
17 multimedia document corresponding to the first user-selectable identifier and the portion of  
18 multimedia information stored by the second multimedia document corresponding to the  
19 second user-selectable identifier using an output device.

1 45. The computer program product of claim 44 wherein:  
2 the code for identifying the portion of multimedia information corresponding  
3 to the first user-selectable identifier from multimedia information stored by the first  
4 multimedia document comprises:

5 code for determining a first time and a second time associated with the  
6 first user-selectable identifier; and

7 code for including a portion of multimedia information stored by the  
8 first multimedia document occurring between the first time and the second time associated  
9 with the first user-selectable identifier in the portion of multimedia information  
10 corresponding to the first user-selectable identifier; and

11 the code for identifying the portion of multimedia information corresponding  
12 to the second user-selectable identifier from multimedia information stored by the second  
13 multimedia document comprises:

14 code for determining a first time and a second time associated with the  
15 second user-selectable identifier; and

16 code for including a portion of multimedia information stored by the  
17 second multimedia document occurring between the first time and the second time associated  
18 with the second user-selectable identifier in the portion of multimedia information  
19 corresponding to the second user-selectable identifier.